

Applic. No.: 09/739,518
Amdt. Dated August 31, 2005
Reply to Office action of July 15, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

Claim 1 (cancelled).

Claim 2 (currently amended). The method according to claim [[1]] 11, wherein the device-dependent image data sets are CMYB image data sets.

Claim 3 (original). The method according to claim 2, which includes using a build-up of black in the first image data set for producing the second image data set.

Claim 4 (original). The method according to claim 3, which includes analyzing the build-up of black in the first image data set, and using it in identical form for the production of the second image data set, if the first and the second devices are based upon identical processes.

Claim 5 (original). The method according to claim 3, which includes analyzing the build-up of black in the first image data set and, for the output in accordance with the boundary

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conditions of the second device, setting the black build-up to the limits of the second device, if a direct transfer is not possible because of the process.

Claim 6 (currently amended). The method according to claim [[1]] 11, wherein the device-dependent image data sets are RGB image data sets.

Claim 7 (currently amended). The method according to claim [[1]] 11, wherein the device-independent image data sets are Lab image data sets.

Claims 8-10 (cancelled).

Claim 11 (previously presented). A method of producing, from a first device-dependent image data set in a first device-dependent color space, a second device-dependent image data set in a second device-dependent color space of an output device matched to a real process, which comprises:

transforming color values from the first image data set into color values of a device-independent color space by using inverse gamut mapping giving a faithful color reproduction in a central area of the first device-dependent color space of the first data set and giving a deviating color representation

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in marginal areas, each color tone in the device-independent space being uniquely assigned to a color tone in the first device-dependent color space; and

transforming the device-independent color values into the second image data set by using gamut mapping giving a faithful color reproduction in a central area of the second device-dependent color space of the second data set and giving a deviating color reproduction in marginal areas, each color tone in the device-independent space being uniquely assigned to a color tone in the second device-dependent color space.